

GRADIENT DENSITY METHOD AND APPARATUS

ABSTRACT OF THE DISCLOSURE

To perform density gradient separation, density gradient columns are prepared at a central location and frozen. They are then taken to other locations while frozen and heated to return the mobility of the density gradient solutions. In this manner, the density gradient solutions can be preserved during travel and for a long period of time, thus removing the need for forming the density gradient solutions at the sites they are to be used and at the time of use and avoiding the need for the purchase of specialized gradient forming equipment in some facilities that use solvent gradient density separations.